

CLAIMS

1. A method of manufacturing a stamper for manufacturing an information medium, comprising the steps of:

manufacturing a photoresist master by forming at least a
5 light absorption layer and a photoresist layer, in that order,
on top of a substrate, irradiating light onto said photoresist
layer from an opposite surface to that which contacts said
light absorption layer to form a latent image, and then
developing said latent image to form an uneven pattern;

10 forming a thin metal film on top of said uneven pattern
of said photoresist master using either a sputtering method or
a vapor deposition method;

forming a metal film on top of said thin metal film; and

forming the stamper by separating said thin metal film
15 and said metal film from said photoresist master

2. A stamper for manufacturing an information medium in a
surface of the stamper an uneven pattern being formed in
advance, the stamper being manufactured by the steps of:

manufacturing a photoresist master by forming at least a light
20 absorption layer and a photoresist layer, in that order, on
top of a substrate, irradiating light onto said photoresist
layer from an opposite surface to that which contacts said
light absorption layer to form a latent image, and then
developing said latent image to form an uneven pattern;

25 forming a thin metal film on top of said uneven pattern of

said photoresist master using either a sputtering method or a vapor deposition method; forming a metal film on top of said thin metal film; and forming the stamper by separating said thin metal film and said metal film from said photoresist master.

3. A stamper intermediate with an attached master, in which a thin metal film is formed on a surface of an uneven pattern of a photoresist master for manufacturing a stamper, which has a substrate, a light absorption layer laminated on top of said substrate, and a photoresist layer which is laminated on top of said light absorption layer and is capable of having an uneven pattern formed therein by forming and subsequently developing of a latent image, and said thin metal film, on separation from said photoresist master, forms a part of said stamper, wherein said thin metal film is formed by either a sputtering method or a vapor deposition method.

4. An information medium, in which a final uneven pattern is formed by using, as a negative pattern, an uneven pattern of a thin metal film and a metal film of a stamper, the stamper being manufactured by the steps of: manufacturing a photoresist master by forming at least a light absorption layer and a photoresist layer, in that order, on top of a substrate, irradiating light onto said photoresist layer from an opposite surface to that which contacts said light absorption layer to form a latent image, and then developing

said latent image to form an uneven pattern; forming a thin metal film on top of said uneven pattern of said photoresist master using either a sputtering method or a vapor deposition method; forming a metal film on top of said thin metal film; and forming said stamper by separating said thin metal film and said metal film from said photoresist master.

5 5. The information medium according to claim 4, wherein said final uneven pattern is formed by direct transfer of said uneven pattern from said stamper.

10 6. The information medium according to claim 4, wherein said final uneven pattern is formed by transfer of an uneven pattern from a mother stamper, and said uneven pattern of said mother stamper is formed by transfer of said uneven pattern using said stamper as a master stamper.

15 7. The information medium according to claim 4, wherein said final uneven pattern is formed by transfer of an uneven pattern from a child stamper, and said uneven pattern of said child stamper is formed by transfer of an uneven pattern from a mother stamper, which has been formed by
20 transfer of said uneven pattern using said stamper as a master stamper.